

Work Order ID 50843

July 31, 2009 8:34:26 AM



Page 1

Item ID: D205-634-041

Accept



Setup Start

Revision ID: D

Stop

Item Name: Replacement Skidtube

Start Date: 08/20/2009 Start Qty: 1.00



Cust Item ID:

Required Date: 09/04/2009 Req'd Qty: 1.00



Customer:

Reference:

Approvals: Process Plan: MF

Date: 09-08-04 Tooling:

Date:

Run Start

QC: _____

Date: _____ SPC (Y/N): _____

Date:

Stop

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Draw
Number

Draw
Rev.

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

Draw Nbr

Revision Nbr

D2580

Rev D

100

0.00



DOCUMENT CONTROL

DC

Memo

0.00

Document Control

Photocopy D205-634 bluefile & type labels per PPP D205-634-041 CHG002

N/A

110

0.00



BENDING MACHINE - SKIDTUBES

CNC Bend 1

Memo

0.00

CNC Delta 100 Bender

1-Bend as per program D2580.C on CNC Bender and Folio FT009

2-Cut tubes as per Dwg. D2580

1 μ 9-8-7

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
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NOTE: Date & initial all entries

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Run Start

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	----------------	--------------	--------------	---------------	---------------	------------------	----------------

120

0.00



Skidtubes

Memo

0.00

Skidtubes

1- Deburr ends

2- C'sink holes as per dwg without cutting fluid

3- Prepare tube for welding, remove alodine as required.

4- Scribe batch number insied aft end of tube.

130

QC5- Inspect part completeness to step on W/O

0.00



QC

Memo

0.00

Quality Control

2) 809/08/10

①

f

119-8-10

W/O:		WORK ORDER CHANGES					
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QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Run Start

Stop

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	----------------	--------------	--------------	---------------	---------------	------------------	----------------

140

0.00



Skidtubes

Memo

0.00

Skidtubes

1-Weld step D2576 as per Dwg. D2580 and QSI 004
A/R ☐ ☐ Aluminum Rod

M110295

BE 09/08/10

2-Prep per QSI 005 and weld crossbolt spacers D2579 as per Dwg. D2580, QSI 004.

For D2579 spacers, weld one side, pass 3/8" drill, weld other side, pass 3/8" drill
A/R ☐ Aluminum Rod

M110295

BE 09/08/10

3-Grind welds as per Dwg D2580 Grind flush ridge made from bending

4-Drill holes for wearplates using DT 8217 & DT8937 Open holes to 19/64",
adjust stopper not to hit web. Deburr

5-Counterbore crossbolt spacers to 7/16" ID x 1.0" deep as per Dwg D2580.
Deburr holes

6-Drill pilot holes for aft cap using DT 8215 Open holes to 0.208". Deburr

7-Drill pilot holes for Tow ring using DT8091, open to .640" and Deburr

BE 09/08/10
BE 09/08/10
BE 09/08/10

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Process Plan:

Date:

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Draw
Number

Draw
Rev.

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

150

QC10- Inspect visual per QSI004- ground welds

0.00

=> 809/08/12



QC

Memo

0.00

(10)

Ø

Quality Control

160

QC5- Inspect part completeness to step on W/O

0.00

=> 809/08/12



QC

Memo

0.00

(10)

Ø

Quality Control

170

Pressure Wash per QSI005 4.3

0.00

= 9/09/08/12



HandFinish

Memo

0.00

(11)

Ø

Hand Finishing

W/O:		WORK ORDER CHANGES					
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Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

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Run Start



QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
180 	White Gloss(Ref:4.3.5.1) per QSI005 4.3-Alum	0.00							
Powdercoat Powder Coating	Memo M112260 START TIME: 11:30AM OVEN TEMPERATURE: 3209 FINISH TIME: 12:00PM	0.00							
			09/08/17			(X1)	Ø		
190 	QC3- Inspect Part Finish	0.00							
QC Quality Control	Memo	0.00							
			=> 09/08/18			(X1)	f		

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Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Run Start



Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	----------------	--------------	--------------	---------------	---------------	------------------	----------------

200

0.00



HandFinish

Memo

0.00

Hand Finishing

1-Install inserts & wearplates & Gaskets as per Dwg. D2580. Use a drop of
Sikaflex on insert holes before installing wearplates
A/R ☐ ☐ ☐ Sikaflex-291 ☐ mna391
Sikaflex expire date: 10/20

2-Coat D2594-3 O' rings with Petroleum Jelly and install on D2594-1 plugs as
per Dwg D2580

3-Inspect for foreign object per QSI 024

4-Install 2855 Aft Cap as per Dwg D2580 and seal Fwd Step & Aft Cap with
Sikaflex. Clean excess adhesive
A/R ☐ ☐ ☐ Sikaflex-291 ☐ mna391
Sikaflex expire date: 10/20

5-Wing Walk as per Dwg D2580 and QSI 005 4.4
Batch: 112106

mp 09/08/21

W/O:		WORK ORDER CHANGES					
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Required Date: 09/04/2009 Req'd Qty: 1.00



Cust Item ID:
Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Run Start



Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
210 	QC5- Inspect part completeness to step on W/O	0.00							
QC Quality Control	Memo Inspect Aft Cap, Fwd Step and Wing Walk of work to Current Step Inspect for Foreign objects per QSI 024	0.00							
220 	Packaging	0.00							
Packaging Packaging	Memo Identify and pack for shipping as per PPPD205-634-041 Location: _____ PPP Rev: _____	0.00							
230 	QC21- Final Inspection - Work Order Release	0.00							
QC Quality Control	Memo	0.00							

08/08/21

QC

QC

APP

51031

9/8/25

APP

09/08/25

09-8-25

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Picklist Print

July 31, 2009 8:34:25 AM

Page 1

Work Order ID: 50843

Parent Item: D205-634-041RevD

Parent Item Name: Replacement Skidtube

Start Date: 08/20/2009

Required Date: 09/04/2009

Comments:

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
D2580-1RevD		Manufactured	No			110	Each	7.0000	1.0000			
205 Skidtube bent detail												

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

7

48616

1

50760

6

D2576-3RevG

Manufactured No

140

Each

165.0000

1.0000

Step (maching detail)

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

165

43504

62

46661

103

1 119-8-7
B 50757

1 BE 09/08/10

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

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July 31, 2009 8:34:25 AM

Work Order ID: 50843

Parent Item: D205-634-041RevD

Parent Item Name: Replacement Skidtube


Comments:

Start Date: 08/20/2009

Required Date: 09/04/2009

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
D2579RevE		Manufactured	No			140	Each	412.0000	20.0000			
												
Crossbolt Spacer												

Warehouse Loc Qty Loc Code
Location

Main Warehouse

ST	412	
43988	4	
46434	4	
46956	12	
47797	338	
48272	54	

20 BC 09/08/10

D2855RevA Manufactured No

200 Each 66.0000 1.0000



Cap

Warehouse Loc Qty Loc Code
Location

Main Warehouse

FP6	52	
50513	52	

Main Warehouse

ST	14	
10360	2	
35663	7	
41340	1	
42343	3	
42806	2	
50513	-1	

XI MD 09/08/21

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

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Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
AN3-5A 		Purchased	No			200	Each	2,560.000	2.0000			
Bolt												

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

2560

100188

246

105057

2246

15205

68

X2 MD 09/08/21

AN960JD10L

Purchased

No

200

Each

6,911.000 2.0000

Washer

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

6911

101291

16

104885

153

105793

236

109632

1506

110985

5000

X2 MD 09/08/21

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Shop Packet Print

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Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
ALS7-1032-130		Purchased	No			200	Each	3,706.000	50.0000			



Insert

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

M110511

3706

105855

16

108606

52

111529

1638

111779

2000

X50 MD 09/08/21

AN3C4A

Purchased

No

200

Each

2,071.000

50.0000



BOLT

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

2071

112082

121

112314

1950

X50 MD 09/08/21

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AN960C10L  washer		Purchased	No			200	Each	4,591.000	50.0000			

Warehouse Loc Qty Loc Code
Location

OFFSHORE

FG 100

103585 100

Main Warehouse

ST 4491

112116 4491

D3566-13RevC

Manufactured

No

200

Each

47.0000

1.0000



Gasket

Warehouse Loc Qty Loc Code
Location

Main Warehouse

ST 47

45717 1

46889 5

47435 7

48166 18

50265 16

X50 MD 09/08/24

XI MD 09/08/21

Dart Aerospace Ltd

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D3566-5RevC		Manufactured	No			200	Each	22.0000	1.0000			

Gasket

Warehouse Loc Qty Loc Code

Location

Main Warehouse

ST

36113

46186

47318

48167

22

1

1

1

19

200

Each

34.0000

2.0000

11 mo 09/08/21

D3566-1RevC

Manufactured

No

Gasket

Warehouse Loc Qty Loc Code

Location

Main Warehouse

ST

46349

47434

48165

48557

50278

34

1

2

8

11

12

12 mo 09/08/21

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D3564-11RevD		Manufactured	No			200	Each	30.0000	1.0000			
												
Wearshoe												

Warehouse Loc Qty Loc Code

Location

Main Warehouse

ST

30

45823

1

47432

7

48553

12

50112

10

D3564-13RevD

Manufactured

No

200

Each

55.0000

1.0000



Wearshoe

Warehouse Loc Qty Loc Code

Location

Main Warehouse

FP17

35

48554

13

50270

22

Main Warehouse

ST

20

45409

3

46495

10

47867

7

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Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
D3564-9RevD		Manufactured	No			200	Each	17.0000	1.0000			
												
Wearshoe												

Warehouse

Location

Main Warehouse

ST

44659

45825

47316

48556

Loc Qty

Loc Code

B51258

17

1

1

4

11

x1 MD 09/08/21

D3564-5RevD

Manufactured No

200

Each

22.0000

1.0000



Wearshoe



Warehouse

Location

OFFSHORE

FG

34806

Main Warehouse

FP19

48555

Main Warehouse

ST

45824

47433

48164

Loc Qty

Loc Code

B51257

2

2

12

12

8

1

1

6

x1 MD 09/08/21

July 31, 2009 8:34:25 AM

Shop Packet Print

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

Page 9

July 31, 2009 8:34:25 AM

Work Order ID: 50843



Parent Item: D205-634-041RevD



Parent Item Name: Replacement Skidtube

Start Date: 08/20/2009

Required Date: 09/04/2009

Comments:

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
D2594-3RevC		Manufactured	No			200	Each	894.0000	16.0000			
O-Ring, 205 Skidtube												

Warehouse Loc Qty Loc Code
Location

Main Warehouse

ST 894

27168 44

29908 850

D2594-1RevC

Manufactured No

200

Each

700.0000

16.0000



Plug, 205 Skidtube

Warehouse Loc Qty Loc Code
Location

Main Warehouse

ST 700

42221 16

42807 92

43884 87

46435 3

47251 502

X16 mp 09/08/21

X16 mp 09/08/21

July 31, 2009 8:34:25 AM

Shop Packet Print

Page 9

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries



DESIGN <i>[Signature]</i>	DRAWN BY <i>[Signature]</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>[Signature]</i>	APPROVED <i>[Signature]</i>	DRAWING NO. D2580	REV. D SHEET 1 OF 3
DATE 07.02.27		TITLE 205 SKIDTUBE ASSEMBLY	SCALE NTS
A	96.09.16	NEW ISSUE	
B	96.12.02	AS MANUFACTURED	
C	98.08.26	REDRAWN, INCLUDED DEO 9094/9097	
D	07.02.27	CHANGE TO SS WEARPLATES AND GASKETS, INCLUDE DEO 9124/9183	

RELEASED
07-06-28 *[Signature]*

*140-80-60
m
#0843
5/80*

QTY -041	QTY -045	Part Number	Description
X		D2580-041	SKIDTUBE ASSEMBLY
	X	D2580-045	SKIDTUBE ASSEMBLY
1	1	D2500-1-190	EXTRUSION
1	1	D2576-3	STEP
20	24	D2579	CROSS BOLT SPACER
16	16	D2594-1	PLUG
16	16	D2594-3	O-RING
1	1	D2596	205 WEB
1	1	D2855	AFT CAP
1	1	D3564-5	WEARSHOE
1	1	D3564-9	WEARSHOE
1	1	D3564-11	WEARSHOE
1	1	D3564-13	WEARSHOE
2	2	D3566-1	GASKET
1	1	D3566-5	GASKET
1	1	D3566-13	GASKET
50	50	ALS7-1032-130 or AKS7-1032-130 or AKS4-1032-130 or AELS-1032-130	INSERT
50	50	AN3C4A	BOLT
2	2	AN3-5A	BOLT
50	50	AN960C10L	WASHER
2	2	AN960JD10L	WASHER

GENERAL NOTES:

- 1) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 2) ALL DIMENSIONS ARE IN INCHES
- 3) INSERT D2596 WEB TO LOCATION SHOWN OFF AFT END OF SKIDTUBE AND BOND WEB INTO OUTER TUBE WITH NON-STRUCTURAL SIKAFLEX-241 ADHESIVE PER DART QSI 015 BEFORE BENDING. ENSURE HOLES LINE-UP.
- 4) BEND AS A SMOOTH RADIUS STARTING WITH A MAXIMUM CENTERLINE RADIUS OF 60 AND ENDING WITH A MINIMUM RADIUS OF 30. A MAXIMUM REDUCTION OF 0.200 IN DIAMETER IS ALLOWABLE IN THE BENT PORTION OF THE TUBE.
- 5) USE DART DRILL TEMPLATE TD2577-205 TO LOCATE AND DRILL $\varnothing 0.297$ HOLES FOR WEARSHOE INSERTS. INSTALL ALS7-1032-130 PER SECTION D-D (50 PLACES) AFTER FINISH. INSTALL AN3C4A BOLTS AND AN960C10L WASHERS WITH SIKAFLEX-241/-291.
- 6) WELDING TO BE DONE PER DART QSI 004.
- 7) FINISH:
SEE NOTES ON
PAGE 2 FOR D2580-041 AND
PAGE 3 FOR D2580-045
- 8) INSERT D2594-1 PLUG C/W D2594-3 O-RING IN HOLES MARKED 'P' (BOTH SIDES OF TUBE) AFTER FINISH (16 PLACES).

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DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

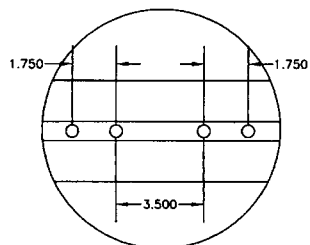
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Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

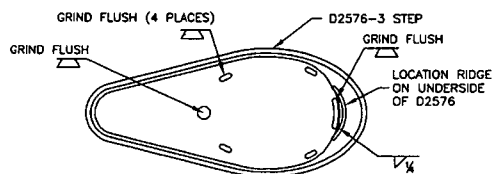
NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

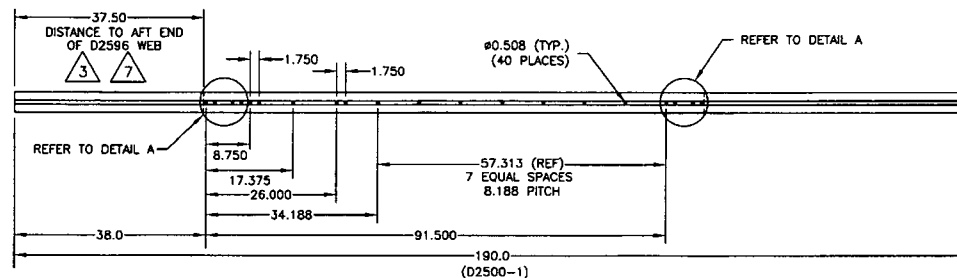
DETAIL A
SCALE 5:24



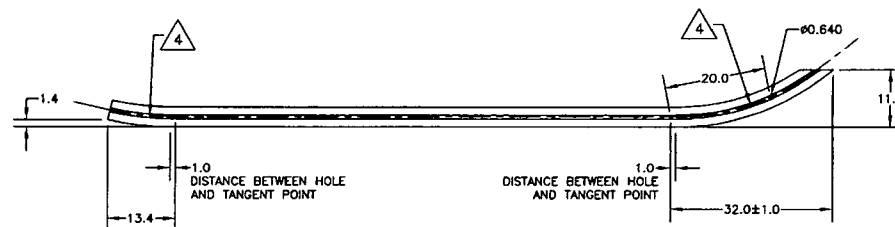
DETAIL B
SCALE 5:24



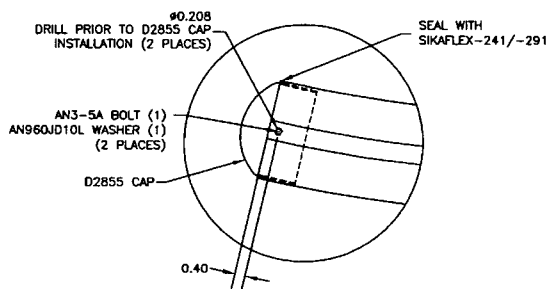
D2580-1 DRILLING DETAIL



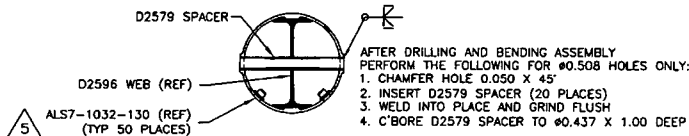
D2580-1 BENDING AND CUTTING DETAIL



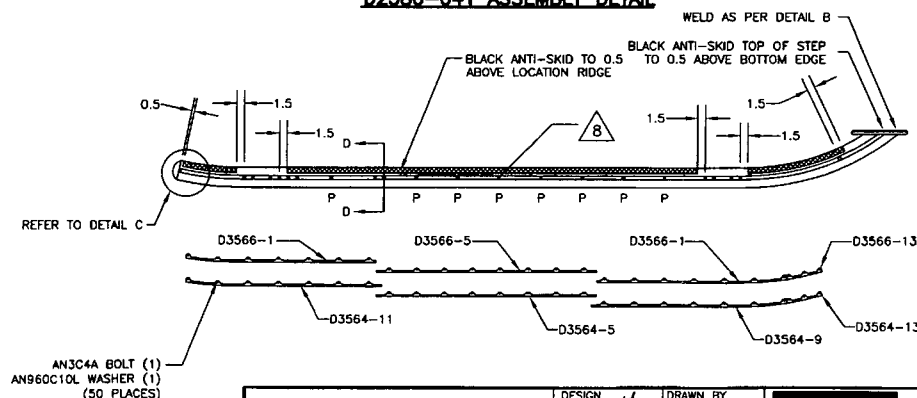
DETAIL C
SCALE 5:24



SECTION D-D
SCALE 5:24



D2580-041 ASSEMBLY DETAIL



D2580-041 NOTES

- i) FINISH: ACID ETCH, ALODINE PER DART QSI 005 4.1 PRIOR TO INSERTING D2596 WEB
POWDER COAT ASSEMBLY GLOSS WHITE (REF. 4.3.5.1) PER DART QSI 005 4.3
BLACK ANTI-SKID PAINT AS INDICATED PER DART QSI 005 4.4

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DESIGN	DRAWN BY	DART	DART AEROSPACE LTD. HARRISBURG, ONTARIO, CANADA
CHECKED	APPROVED	DRAWING NO.	REV. D
		D2580	SHEET 2 OF 3
DATE		TITLE	SCALE
07.02.27		205 SKIDTUBE ASSEMBLY	1:24

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

RELEASED
07-16-28

Diagram illustrating the grinding locations for the propeller cross-section:

- GRIND FLUSH (4 PLACES)
- GRIND FLUSH
- D2576-3 STEP
- LOCATION RIDGE ON UNDERSIDE OF D2576

Diagram illustrating the assembly of a circular component with various parts labeled:

- DRILL PRIOR TO D2855 CAP INSTALLATION (2 PLACES)
- #0.208
- SEAL WITH SIKAFLEX-241/-291
- AN3-5A BOLT (1)
- AN960JDIOL WASHER (1) (2 PLACES)
- D2855 CAP
- SEE NOTE ii)
- 0.40

D2579 SPACER

D2596 WEB (REF)

ALS7-1032-130 (REF)
(TYP. 50 PLACES)

5

AFTER DRILLING AND BENDING ASSEMBLY
PERFORM THE FOLLOWING FOR 40.509 HOLES ONLY:

1. CHAMFER HOLE 0.050 X .45"
2. INSERT D2579 SPACER (20 PLACES)
3. WELD INTO PLACE AND GRIND FLUSH
4. C'BORE D2579 SPACER TO 40.437 X 1.00 DEEP

i) FINISH: ACID ETCH, ALODINE PER DART QSI 005 4.1 PRIOR TO INSERTING D2596 WEB
POWDER COAT ENTIRE ASSEMBLY GREEN (REF. 4.3.5.8) PER DART QSI 005 4.3
BLACK ANTI-SKID PAINT AS INDICATED PER DART QSI 005 4.4

ii) IT IS ACCEPTABLE TO GRIND A RELIEF IN THE D2855 AFT CAP TO PREVENT INTERFERENCE
WITH THE SPACER AT THIS LOCATION

[illegible]

(MAKE FROM D2380-1 DRILLING DETAIL)

Technical drawing of a curved bridge deck section. The drawing shows a plan view of a curved structure with various dimensions and callouts. Key dimensions include:

- Overall length: 51.340
- Distance from left end to first hole: 5.985
- Distance between first and second hole: 5.338 (REF)
- Distance from second hole to third hole: 39.580
- Distance from third hole to fourth hole: 5.915
- Distance from fourth hole to end: 20.0
- Radius of curvature: $\phi 0.508$ (8 PLACES)
- End radius: $\phi 0.640$
- Callout 4: Points to the left end and a specific location on the curve.
- Callout 11: Points to the right end.
- Dimensions 1.0 and 1.4: Indicate small offsets or thicknesses.
- Dimensions 13.4 and 32.0 ± 1.0 : Indicate distances from the left end to specific points.
- Text: "DISTANCE BETWEEN HOLE AND TANGENT POINT" is shown twice, with a dimension of 1.0.

HULL SECTION

WELD AS PER DETAIL F

BLACK ANTI-SKID TO 0.5 ABOVE LOCATION RIDGE

BLACK ANTI-SKID TOP OF STEP TO 0.5 ABOVE BOTTOM EDGE

NO C'BORE NO PLUG

NO C'BORE NO PLUG

NO C'BORE NO PLUG

NO C'BORE NO PLUG

D3566-1

D3566-5

D3566-1

D3566-13

D3564-11

D3564-5

D3564-9

D3564-13

AN3C4A BOLT (1)

AN960C10L WASHER (1)

(50 PLACES)

DESIGN	DRAWN BY
--------	----------

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07.02.27

205 SKIDTUBE ASSEMBLY 1:24

W/O:		WORK ORDER CHANGES					
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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

NO. 205

AWS D17.1.2001
QUALIFICATION TEST RECORD

Name: Barday Elliott
Job number: D205 634 041 50835
Part number: D205 634 041
Description: 205 skid tube
Welding Process: Tig ☒ Mig ☐
Base material: Aluminium
Current: AC ☒ DC ☐

TEST REQUIREMENTS AND RESULTS

Visual: pass ☒ fail ☐
Penetration: pass ☒ fail ☐

UNACCEPTABLE

Cracks: pass ☒ fail ☐
Undercut: pass ☒ fail ☐
Pin holes: pass ☒ fail ☐
Overlap (cold lap): pass ☒ fail ☐
Porosity (surface): pass ☒ fail ☐
Coloration: pass ☒ fail ☐

Qualifier [Signature] Date of Test Coupon 09.07.30

Welder [Signature] Date of Test Coupon 09.07.30

The above named individual is qualified in accordance with AWS D17.1.2001 to weld